

**Notice of Allowability**

Application No.

09/366,849

Examiner

Thien D Tran

Applicant(s)

BARANY ET AL.

Art Unit

2665

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 02/11/2005.
2. ☒ The allowed claim(s) is/are 2- 6, 10, 8, 12-16 renumbered 1-12 respectively.
3. ☒ The drawings filed on 08/04/1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 08/04/99, 02/25/03
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 03/28/2005.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dan Hu on 03/28/2005.

The application has been amended as follows:

In the specification:

page 20, line 2 "Figs. 15A, 15B, and 16" has been replaced with ---Figs. 14A, 14B, and 15---;

page 20, line 17 "Figs. 15A, 15B, and 16" has been replaced with ---Figs. 14A, 14B, and 15---.

In the claims:

claim 2, line 9, "each frame" has been replaced with ---frames---.

claim 3, line 9, "each frame" has been replaced with ---frames---.

claim 4, line 8, "each time frame includes" has been replaced with ---time frames includes---.

claim 5, line 8, "each time frame includes" has been replaced with ---time frames includes---.

claim 10, line 10, "each frame" has been replaced with ---frames---.

### **Reasons for Allowance**

2. The following is an examiner's statement of reasons for allowance:

Regarding claims 2, 3, 4, 5, 6 the prior arts fail to teach or fairly suggest a method for use in a mobile communication system having a plurality of cell segments, comprising:

communicating control and traffic signaling in a frame having a plurality of time slots in each cell segment, the time slots being synchronized among the cell segments and;

transmitting control signaling in time slots adjacent time slots allocated as guard periods to protect the control signaling in a time slot of a first cell segment from interference by traffic signaling in another time slot of a neighboring cell segment in combination with other limitations as specified in the independent claims 2, 3, 4, 5, 6.

Regarding claims 10, 12 the prior art fail to teach or fairly suggest a method for use in a mobile communication system having a plurality of cell segments comprising:

providing predetermined time slots as guard period (idle period as recited in claim 12) to reduce likelihood of interference of signaling due to overlap of time slots in neighboring cell segments, wherein the defining includes defining a frame having eight time slots; and

allocating control signaling to be carried in odd time slots of frames in combination with other limitations as specified in the independent claims 10, 12.

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**Conclusion**

3. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Thien Tran whose telephone number is (571) 272-3156. The examiner can normally be reached on Monday-Friday from 8:30AM to 5:00PM.

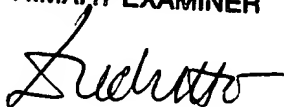
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Huy Vu, can be reached on (571) 272-3155. Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

4. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have any questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197.

Patent Examiner

Thien Tran

DUCHO  
PRIMARY EXAMINER



3-30-05